

Abstracts

Method for Determining Dielectric Properties of Solids from Measurements on Pulverized Materials

S.O. Nelson. "Method for Determining Dielectric Properties of Solids from Measurements on Pulverized Materials." 1987 MTT-S International Microwave Symposium Digest 87.1 (1987 Vol. I [MWSYM]): 461-463.

A procedure is outlined for determining the dielectric properties of solid materials of known densities from the dielectric properties of pulverized samples measured at a few different bulk densities. Properties for the solid are obtained by extrapolation of functions of the dielectric constant and loss factor that are linearly related to the bulk density of the air-particle mixture.

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